

20KV Oil-immersed Power Transformer



Model meaning

S Three-phase	13 Performance level code
M Full sealed	Rated capacity/voltage level

Product description

This transformer is designed for 20 kV power grids to help reduce line losses. The core is made of high-efficiency, low-loss, premium cold-rolled silicon steel sheets, assembled with full mitered joints and processed using intelligent tooling equipment for precision cutting and stacking, thereby minimizing no-load loss, no-load current, and noise. The windings are made of high-purity oxygen-free copper with a low current density design, which effectively reduces load loss. The structure employs high-quality laminated wood clamping for firm mechanical fastening, while interlayer insulation uses premium adhesive-coated pressboard as the insulating material. The transformer body is structurally robust, capable of withstanding transportation shocks and vibrations without displacement.

According to customer requirements, the transformer can be equipped with a complete set of accessories, such as Buchholz relays, integrated three-in-one protection devices, and oil pressure sudden-acting relays. The product performance reaches the domestic advanced level.

Features

- ⦿ Three-proof performance (moisture-proof, mildew-proof, and salt-fog resistant)
- ⦿ Three-protection functions (temperature, gas, and pressure)
- ⦿ Reliable operation and easy maintenance
- ⦿ Suitable for use in 10kV outdoor networks or inside prefabricated substations



20KV S13 Type Oil-immersed Power Transformer Performance Parameters

Type	Rated voltage combination			Conect ion symbol	o-load Current (%)	o-load Loss (K)	Load Loss (K)	Impedance voltage (%)
	H.V (KV)	Tapping range of HV (%)	L.V (KV)					
30	6	±2 ×2.5	0.4	Dyn11	1.7	0.08	0.66/0.63	5.5
50					1.6	0.1	0.96/0.91	
63					1.5	0.12	1.14/1.09	
80					1.4	0.14	1.37/1.30	
100					1.3	0.16	1.64/1.57	
125					1.2	0.19	1.98/1.88	
160					1.1	0.23	2.41/2.30	
200					1.0	0.27	2.85/2.72	
250					0.96	0.32	3.34/3.18	
315					0.88	0.38	4.00/3.81	
400					0.80	0.46	4.72/4.49	
500					0.80	0.54	5.64/5.38	
630					0.72	0.65	6.48	
800					0.64	0.78	7.84	
1000					0.56	0.92	10.70	
1250	0.56	1.10	12.50					
1600	0.48	1.33	15.10					
2000	0.48	1.56	19.10					
2500	0.40	1.87	22.20					
				Yyn0				6.0

